

SAMSUNG

PERSONAL MICRO COMPONENT SYSTEM user manual

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Safety Warnings



CAUTION RISK OF ELECTRIC SHOCK. DO NOT OPEN



TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE REAR COVER (or BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

CLASS 1 LASER PRODUCT KLASSE 1 LASER PRODUKT LUOKAN 1 LASER LAITE KLASS 1 LASER APPARAT PRODUCTO LASER CLASE 1



This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury.



This symbol indicates important instructions accompanying the product.

CLASS 1 LASER PRODUCT

This Compact Disc player is classified as a CLASS 1 LASER product.

Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

CAUTION: INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED, AVOID EXPOSURE TO BEAM.

WARNING: To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

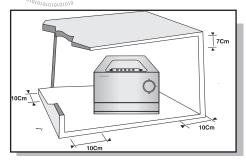
CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

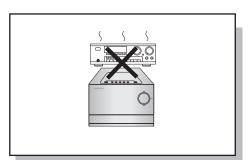
- This apparatus shall always be connected to a AC outlet with a protective grounding connection.
- To disconnect the apparatus from the mains, the plug must be pulled out from the mains socket, therefore the mains plug shall be readily operable.

CAUTION

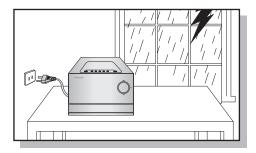
- Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
- The Mains plug is used as a disconnect device and shall stay readily operable at any time.





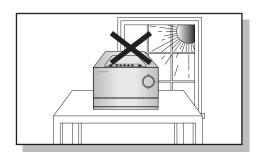


Ensure that the AC power supply in your house complies with the identification sticker located on the back of your player. Install your player horizontally, on a suitable base (furniture), with enough space around it for ventilation (3~4inches). Make sure the ventilation slots are not covered. Do not stack anything on top of the player. Do not place the player on amplifiers or other equipment which may become hot. Before moving the player, ensure the disc tray is empty. This player is designed for continuous use. Switching off the DVD player to the stand-by mode does not disconnect the electrical supply. In order to disconnect the player completely from the power supply, remove the main plug from the wall outlet, especially when left unused for a long period of time.



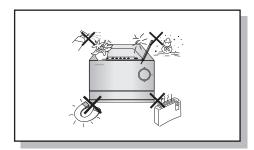
During thunderstorms, disconnect AC main plug from the

Voltage peaks due to lightning could damage the unit.



Do not expose the unit to direct sunlight or other heat

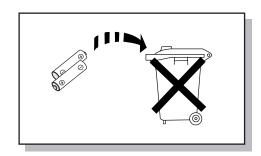
This could lead to overheating and malfunction of the unit.



Protect the player from moisture(i.e. vases), and excess heat(e. g.fireplace) or equipment creating strong magnetic or electric fields (i. e.speakers...). Disconnect the power cable from the AC supply if the player malfunctions. Your player is not intended for industrial use. Use of this product is for personal use only.

Condensation may occur if your player or disc have been stored in cold

If transporting the player during the winter, wait approximately 2 hours



The battery used with this product contain chemicals that are harmful to the environment.

Do not dispose of batteries in the general household trash.

until the unit has reached room temperature before using.



Multi-Disc Playback & FM Tuner

The MM-C330D combines the convenience of multi-disc playback capability, including DVD, CD, MP3-CD, CD-R, CD-RW, DivX,JPEG and DVD-R/RW, with a sophisticated FM tuner, USB HOST all in a single player.

TV Screen Saver Function

The MM-C330D automatically brightens and darkens the brightness of the TV screen after 3 minutes in the stop mode.

The MM-C330D automatically switches itself into the power saving mode after 20 minutes in the screen saver mode.

Power Saving Function

The MM-C330D automatically shuts itself off after 20 minutes in the stop mode(only for USB, DVD).



DVD (Digital Versatile Disc) offers fantastic audio and video, thanks to Dolby Digital surround sound and MPEG-2 video compression technology. Now you can enjoy these realistic effects in the home, as if you were in a movie theater or concert hall.



DVD players and the discs are coded by region. These regional codes must match in order for the disc to play. If the codes do not match, the disc will not play.

The Region Number for this player is given on the rear panel of the player. (Your DVD player will only play DVDs that are labeled with identical region codes.)

Copy Protection

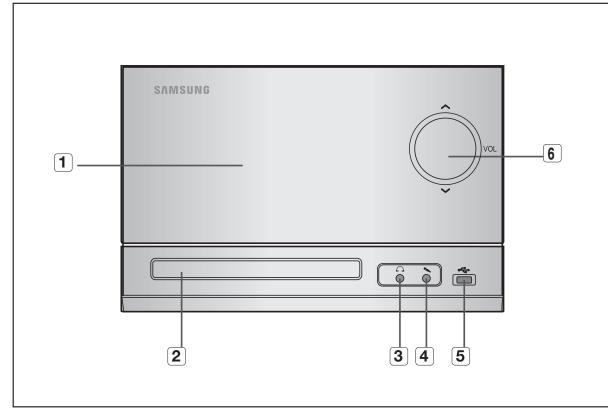
- Many DVD discs are encoded with copy protection. Because of this, you should only connect your DVD player directly to your TV, not to a VCR. Connecting to a VCR results in a distorted picture from copy-protected DVD discs.
- This product incorporates copyright protection technology that is protected by methods claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.



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Description

—Front Panel—

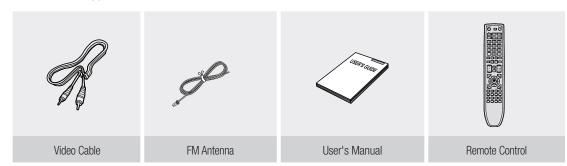


- 1. WINDOW DISPLAY
- 2. COMPACT DISC COMPARTMENT
- 3. HEADPHONE JACK

- 4. MIC
- 5. USB JACK
- 6. VOLUME

WHAT'S INCLUDED

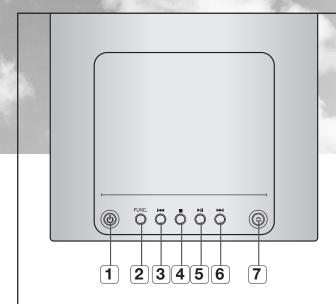
Check for the supplied accessories below.



Note • The

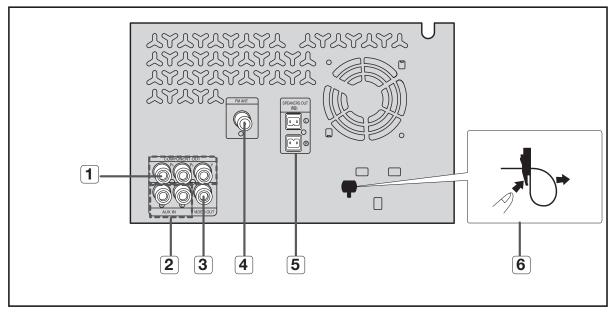
• The accessories may look slightly different than those pictured above.

—Top Panel—



- 1. POWER
- 2. FUNCTION CHANGE
- 3. SEARCH FUNCTION BUTTON(DOWN)
- 4. TUNING MODE OR STOP BUTTON
- 5. PLAY/PAUSE BUTTON
- 6. SEARCH FUNCTION BUTTON(UP)
- 7. OPEN/CLOSE

—Rear Panel—



1. Component Output Connectors

Connect a TV with component video input jacks to these jacks.

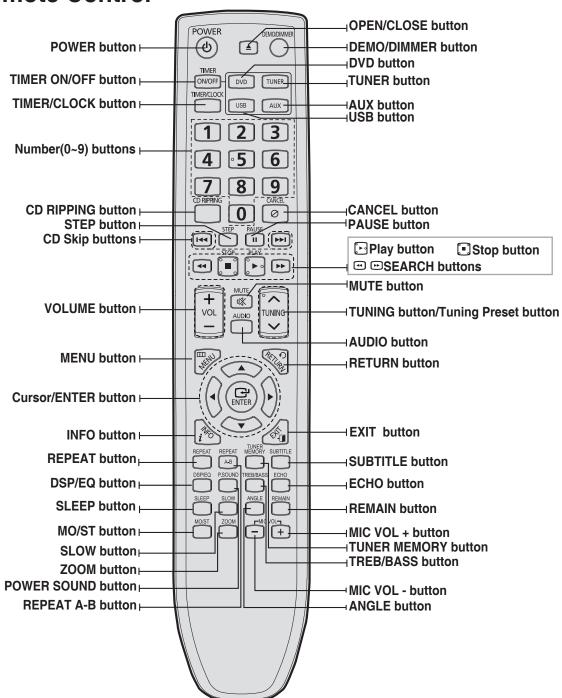
- 2. AUX IN
- 3. Video Output Connector

Connect the TV's video input jacks (VIDEO IN) to the VIDEO OUT connector.

- 4. FM Antenna Connector
- 5. Speaker Connector Terminals
- 6. Clamp-Wire (Fasten the speaker wires.)

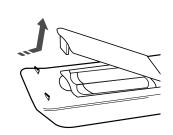
Description

—Remote Control—

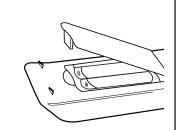


Insert Remote Batteries

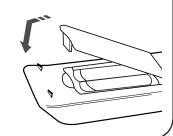
1 Remove the battery cover in the direction of the arrow.



Insert two 1.5V AAA batteries, paying attention to the correct polarities (+ and –).



Replace the battery cover.



Caution

Follow these precautions to avoid leaking or cracking cells:

- Place batteries in the remote control so they match the polarity:(+) to (+)and (-)to (-).
- Use the correct type of batteries.Batteries that look similar may differ in voltage.
- Always replace both batteries at the same time.
- Do not expose batteries to heat or flame.

Range of Operation of the Remote Control

The remote control can be used up to approximately 23 feet/7 meters in a straight line. It can also be operated at a horizontal angle of up to 45° from the remote control sensor.



Connecting the Speakers

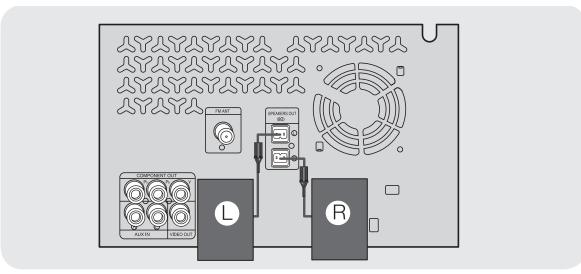
Before moving or installing the product, be sure to turn off the power and disconnect the power cord.

The loudspeaker connector terminals are located on the rear of the system.

There are two terminals on the system:

- left speaker (marked L)
- right speaker (marked R)

To achieve the correct sound quality, insert those speaker connector cables to the speaker connector terminals of the system.



Position of the DVD Player

• Place it on a stand or cabinet shelf, or under the TV stand.

Front Speakers **D B**

- Place these speakers in front of your listening position, facing inwards (about 45°) toward you.
- Place the speakers so that their tweeters will be at the same height as your ear.

Selecting the Listening Position

The listening position should be located about 2.5 to 3 times the distance of the TV's screen size away from the TV. Example: For 32" TVs 2~2.4m (6~8feet)
For 55" TVs 3.5~4m (11~13feet)

Directions in Installing Speaker

- Installation in a place near heating apparatus, under direct lay of light or with high humidity may cause performance degradation of the speaker.
- Do not install on the wall or on a high place of pole or other unstable place to prevent any safety accident caused by falling of the speaker.
- Do not take the speaker near from TV or computer monitor.

 The speaker near the TV or computer monitor may influence the quality of the screen display.



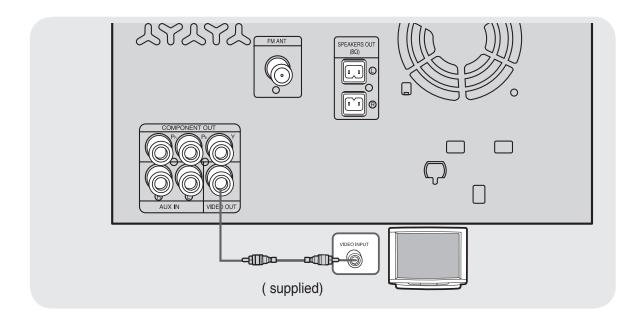
Please be sure to turn off the power and unplug the power cord before moving or installing this unit.

Please choose one video connection method.

ethod 1 Using Video Out (Good Quality)

Connect Video Out on the player to Video In on your TV.

2 Press the TV/VIDEO button on the remote of TV control to set the TV to "VIDEO".



Note

• Composite Video: A single video signal that is a composite of the black-and-white information (Y) and the color information (C).



Connecting to a TV(Con't)

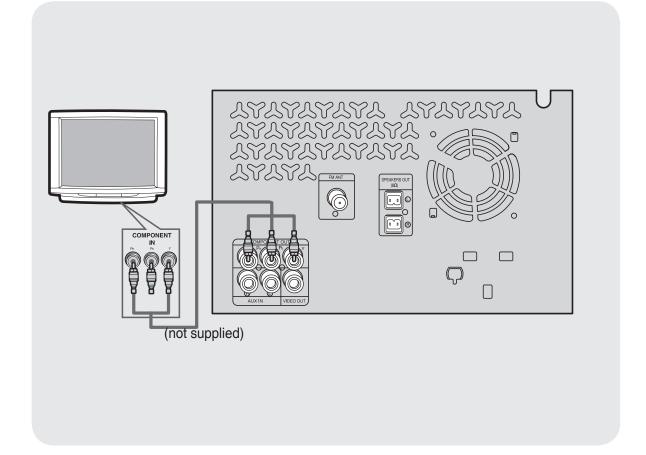
Please be sure to turn off the power and unplug the power cord before moving or installing this unit.

Please choose one video connection method.

Component Video (Best Quality)

Use this method if your TV have Pr,Pb andY jacks.

If your television is equipped with Component Video inputs, connect a component video cable from the Pr,Pb and Y jacks on the back panel of the system to the corresponding jacks on your television.



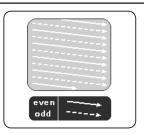
SCAN (Progressive Scan) Function

ke regular Interlace Scan, in which two fields of picture information alternate to create the ntire picture (odd scan lines, then even scan lines), Progressive Scan uses one field of information (all lines displayed in one pass) to create a clear and detailed picture without visible scan lines.

You can select "Progressive Scan" or "Interlace Scan" for you TV. Please go to <Setup>→<Display Setup>→<Video Output> and set I-SCAN or P-SCAN. (see the page 35.)

What is Progressive (or Non-Interlaced) Scanning?

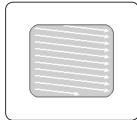
Interlaced Scan (1 FRAME = 2 FIELDS)



In interlaced-scan video, a frame consists of two interlaced fields (odd and even), where each field contains every other horizontal line in the frame. The odd field of alternating lines is displayed first, and then the even field is displayed to fill in the alternating gaps left by the odd field to form a single frame. One frame, displayed every 1/25th of a second, contains two interfaced fields, thus a total of 50 fields are displayed every 1/50th of a second.

The interlaced scanning method is intended for capturing a still object.

Progressive Scan (FULL FRAME)



The progressive scanning method scans one full frame of video consecutively down the screen, line by line. An entire image is drawn at one time, as opposed to the interlaced scanning process by which a video image is drawn in a series of passes.

The progressive scanning method is desirable for dealing with moving objects.

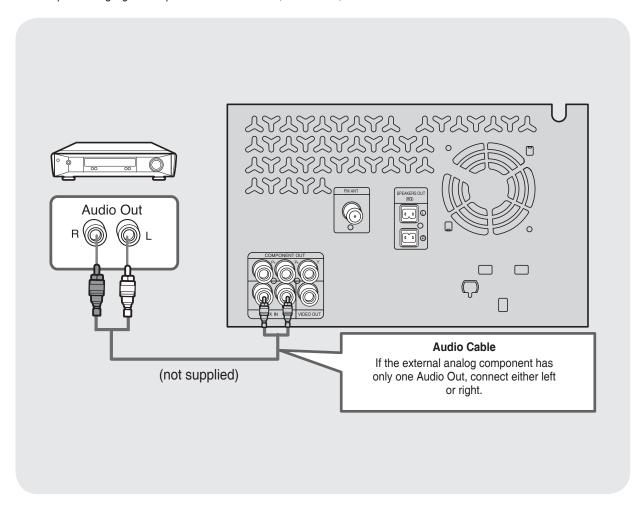


- This function works only on TVs equipped with component video inputs (Y, Pr, Pb) that support Progressive Video. (It does not work on TVs with conventional component inputs, i.e., non-progressive
- Depending on the brand and model of your TV, this function may not work.

Connecting External Components

Connecting an External Analog Component

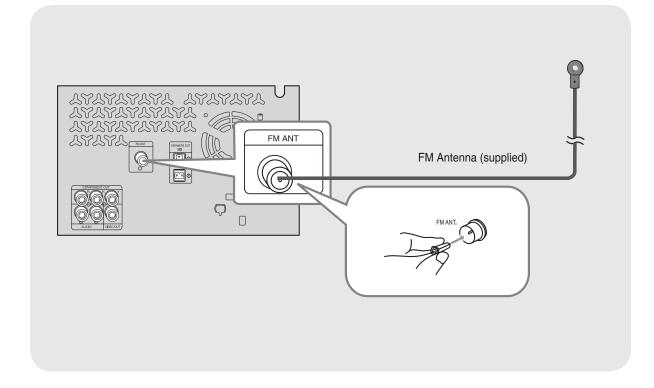
Example: Analog signal components such as a VCR, Camcorder, and TV.



- 1 Connect AUX IN on the player to Audio Out on the external analog component.
 - Be sure to match connector colors.
- **2** Press **AUX** to select AUX.
 - 'AUX' appears in the display.







- 1 Connect the FM antenna supplied to the FM COAXIAL Jack.
- 2 Slowly move the antenna wire around until you find a location where reception is good, then fasten it to a wall or other rigid surface.



This unit does not receive AM broadcasts.



Setting the Clock

For each step, you have a few seconds to set the required options. If you exceed this time, you must start again.

Switch the system on by pressing **POWER** button.

Press TIMER/CLOCK twice.

• "CLOCK" is displayed.

Press ENTER. The hour flashes.

• Increase the hours :

Decrease the hours :

When the correct hour is displayed, press ENTER. The minutes flash.

- Increase the minutes :
- Decrease the minutes :

When the correct time is displayed, press **ENTER**.

- "TIMER" appears in the display.
- The current time is now set.

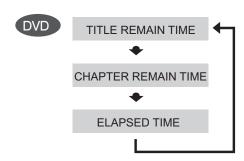
- Note You can display the time, even when you are using another function, by pressing TIMER/CLOCK once.
 - You can also use I◄◄►►I on the panel front instead of
 buttons in step 3,4.

Checking the Remaining Time

Press the REMAIN button.

• For checking the remaining time of a title or chapter being played.

Each time the REMAIN button is pressed, the time is displayed as below:

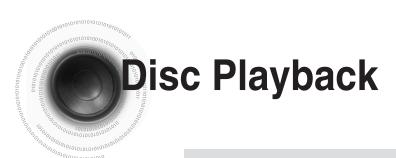






Press the REMAIN button.

- ♦ If you press the REMAIN button, the remaining time is displayed.
- ◆To cancel this function, press the **REMAIN** button again.





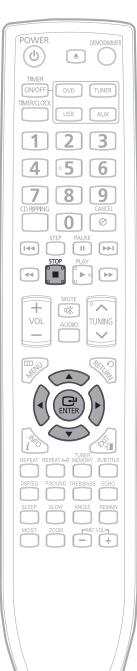
- Press OPEN/CLOSE button to open the disc trav.
- Load a disc. • Place a disc gently into the tray with the disc's label facing up.
- Press OPEN/CLOSE button to close the disc tray.

Note

- For mixed discs, the play order is as below:MP3/WMA → DIVX → JPEG.
- Depending on the content of the disc, the initial screen may appear different.
- Depending on the recording mode, some MP3-CDs cannot be played.
- For CD discs, you can press the numeric buttons to select the track, when you press the numeric buttons after 3 seconds, the playback starts automatically.
- Table of contents of a MP3-CD varies depending on the MP3 track format recorded on the disc.
- DTS Audio is not supported.
- DVD Audio Disc is not supported.
- To stop playback, press STOP button during playback.
- If pressed once, the stop position will be stored in memory. If **PLAY** (▶) button is pressed, playback resumes from the stop position. (This function works only with
- If pressed twice, "STOP" is displayed, and if **PLAY** (**)** button is pressed, playback starts from the beginning.
- To temporarily pause playback, press PAUSE button during playback.
- To resume playback, press PLAY(▶) button again.



MP3/WMA-CD Playback



Load the MP3/WMA disc.

- The MP3/WMA menu screen will appear and playback will start.
- The appearance of the menu depends on the MP3/WMA disc.
- WMA-DRM files cannot be played.



2 to select the album, and then press the ENTER button.

Use ▲ ▼to select the track.

Use



To change the album, use ◀ ▶ ▲ ▼ to select another album in Stop mode, and then press the ENTER button.

 To select another album and track, repeat Steps 2 and 3 above. Press the STOP button to stop playback.

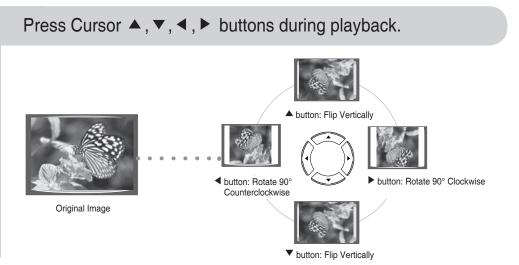
. .

• Depending on the recording mode, some MP3/WMA-CDs may not be played.

 Table of contents of a MP3-CD varies depending on the MP3/WMA track format recorded on the disc.







Zoom/Auto play Function

Press INFO button during playback, TV displays as below:



- 1. Use ◀, ▶ to select ☐ icon, and then press ENTER button, each time you press the button, your selection will rotate as clockwise.
- 2. Use \triangleleft , \triangleright to select $| \bigcirc$ icon, and then press **ENTER** button, each time you press the button, your selection will change as below: $x2 \rightarrow x4 \rightarrow x2 \rightarrow Off$.
- 3. Use ◀, ▶ to select loon, and then press **ENTER** button, TV displays as below:



Press **ENTER** button to select the time space for playing the pictures.

4. Press STOP button to cancel this function.

DivX Playback

Skip Forward/Back

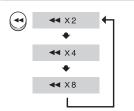
During playback, press the I◀◀ ▶►I button.

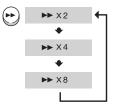
- Go to the next file whenever you press $\triangleright \triangleright$ button, if there are over
- Go to the previous file whenever you press button, if there are over

Fast playback

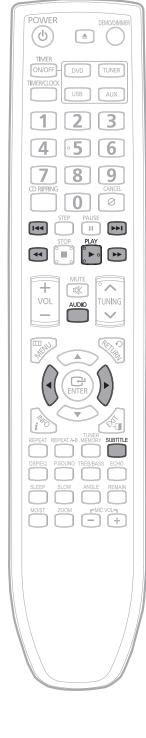
Press ◀◀ ▶▶ button.

• Each time the button is pressed during playback, the playback speed changes as follows:





To resume normal playback, press PLAY (▶) button.



5 Minutes Skip function

During playback, press the ◀, ▶ button.

- Go to the screen 5 minutes after whenever you press ▶ button.
- Go to the screen 5 minutes earlier whenever you press ◀ button.



• For MPG format files, 5 minute skip function is not supported.

- Audio Display

Press the **AUDIO** button.

- If there are multiple audio tracks on a disc, you can toggle between them.
- Each time you press the button, your selection will toggle between AUDIO(OFF, 1/1, 1/2 ...).

Subtitle Display

Press the **SUBTITLE** button.

• Each time you press the button, your selection will changed as below:



- If the disc has only one subtitle file, it will be played automatically.
- Up to 8 subtitle languages are supported.

DivX Feature Table

DivX Supported

Avi files are used to contain the audio and video data; these must be stored on CD in the ISO 9660 format.

			SPEC
VIDEO Compatibility	DivX3	.11	Up to the latest VERSION
AUDIO Compatibility	MP3		CBR: 8kbps~320kbps
	AC3		CBR: 32kbps~640kbps
	WMA CBF		R1:Stereo case:48kbps~384kbps
	CBF		R2:Mono case:64kbps~192kbps

MPEGs containing DivX can be divided into Video and Audio.

- Video compatibility: All versions of DivX later than 3.11 (including the latest 5.1) are supported. In addition, XviD is supported.
- Audio compatibility: MP3s encoded at bit rates from 8kbps to 320kbps, AC3s from 32kbps to 640kbps, and WMAs from 48kbps to
- In addition, for subtitles, this unit will support Text format (SMI).

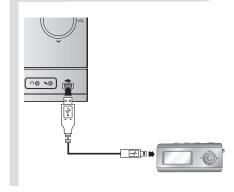
- Note When playing the DivX disk, you can play the file with extension of AVI only.
 - Among the available DivX audio formats, DTS Audio is not supported.
 - When burning a subtitle file to a CD-ROM with your PC, be sure to burn it as an SMI file.
 - MPEG 1 Layer 1 (MP1) is not supported.



Playing Media Files using the USB feature

You can connect and play files from external USB storage devices such as MP3 players, USB flash memory, etc. using the player's USB function.

Connect the USB cable.



Press the **FUNC**. button on the main set or the **USB** button on the remote control to select the USB mode.

- "USB" appears on the display screen and then disappear.
- USB SORTING screen appears on the TV screen and the saved file is played.



To stop playback, press the **STOP** (■) button.



- Note Video files (DivX, MPEG, etc.) are supported.
 - To prevent the loss of data saved in the USB device, please turn the unit off or switch it to another mode before disconnecting the USB cable
 - The play order is as follow: MP3/WMA → DIVX → JPEG.

Skip Forward/Back

During playback, press the I → I or , button.

- When there is more than a file, when you press the ►►I, ► button, the next file is selected.
- When there is more than a file, when you press the
 I◄◄ , button, the previous file is selected.

Fast playback

To play back the disc at a faster speed, press ◀◀ or ▶▶ button during playback.

• Each time you press either button, the playback speed will change as follows:

 $\vdash 4x 2 \rightarrow 4x 4 \rightarrow 4x 8 \rightarrow 0r \rightarrow x 2 \rightarrow x 4 \rightarrow x 8 \rightarrow$

To resume normal playback, press PLAY (▶) button.



USB Host Specification

USB Host Specification	 Supports USB 1.1 or USB 2.0 compliant devices. Supports devices connected using the USB A type cable. Supports UMS (USB Mass Storage Device) V1.0 compliant devices. Supports the device of which the connected drive is formatted in the FAT(FAT, FAT16, FAT32) file system.
Non-compliance	 Does not support a device that requires installing a separate driver on the PC (Windows). Does not support connection to a USB hub. A USB device that is connected using the USB extension cable may not be recognized. A USB device requiring a separate power source needs to be connected to the player with the separate power connection.
Operational Limitations	 If the connected device has multiple drives (or partitions) installed, only one drive (or partition) can be connected. A device supporting USB 1.1 alone may cause a difference in the picture quality, depending on the device.

Compliant Devices

- 1. USB Storage Device
- 2. MP3 Player
- 3. Digital Camera
- 4. Removable HDD
 - Removable HDDs equipped with less than 160 Gbytes are supported. Removable HDDs equipped with 160Gbytes or more may not be recognized, depending on the device.
 - If the connected device does not work due to insufficient power supply, you can use a separate power cable to supply power so that it can work properly. The connector of the USB cable may differ, depending on the manufacturer of the USB device.
- 5. USB card Reader: One slot USB card reader and Multi slot USB card reader.
 - Depending on the manufacturer. the USB card reader may not be supported.
 - If you install multiple memory devices into a multi card reader, you may experience problems.

Compliant File Formats

Format	File name	File extension	Bit rate	Version	Pixel	Sampling Frequency
Still Picture	JPG	JPG .JPEG	-	_	640x480	_
	MP3	.MP3	8~320kbps	_	-	44.1kHz
Music	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\A/N 4 A	Stereo:48~384kbps	V8	V8 –	44.1kHz
	WMA	.WMA	Mono:64~192kbps			
Movie	DivX	.AVI	4Mbps	DivX3.11~ DivX5.1, XviD	720x480	44.1KHz~48KHz

- CBI (Control/Bulk/Interrupt) is not supported.
- Digital Cameras that use PTP protocol or require additional program installation when connected to a PC are not supported.
- A device using NTFS file system is not supported. (Only FAT 16/32 (File Allocation Table 16/32) file system is supported.)
- Does not operate with Janus enabled MTP (Media Transfer Protocol) devices.
- MPEG 1 Layer 1 (MP1) is not supported.

Displaying Disc Information

You can view playback information on the disc on the TV screen.

Press **INFO** button.

Press Cursor ▲ , ▼ buttons select the desired item.

DVD



What is a Title? A movie contained in a DVD disc.

What is a Chapter?
 Each title on a DVD disc is divided into several smaller sections called "chapters".

 \bullet \bigcirc appears on the TV screen! If this symbol appears on the TV screen while buttons are being operated, that operation is not possible with the disc currently being played.

What is a Track (File)?
 A section of video or a music file recorded on a CD, or MP3-CD.



Display disappears

• Depending on the disc, the disc



TUNER

0

TUNING

8

*

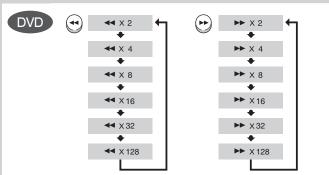
MO/ST ZOOM FMIC VOLT

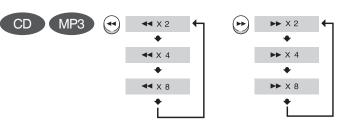
Fast/Slow Playback



Press ◀◀ ▶▶ buttons.

• Each time you press either button during playback, the playback speed changes as follows:





To resume normal playback, press PLAY (▶) button.

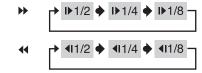


Press **SLOW** button.

• Each time the button is pressed during playback, the playback speed changes as follows:



• In Pause mode or Step mode or Slow mode, you can use the ◀◀ ▶▶ button to select as below:



To resume normal playback, press PLAY (▶) button.

During fast playback of a CD or MP3-CD, sound is not heard. No sound is heard during slow playback and step motion playback



information display may appear different

Skipping Scenes/Songs







Briefly press ►.

- Each time the button is pressed briefly during playback, the previous or next chapter, track, or directory (file) will
- But, you cannot skip chapters consecutively.



























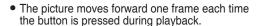
CD







Playing Frame by Frame DVD DivX Press **STEP** button.







DVD

(q)

ON/OFF DVD TUNER

8

9 0

ANGLE REMAI

MO/ST ZOOM PMIC VOLT

Press ANGLE button.



Press Cursor **◄** . ▶ buttons or numeric buttons to select the desired angle.

• Each time the button is pressed, the angle changes as follows:







Note • The Angle function works only with discs on which multiple angles have been recorded.

Repeat Playback Repeat playback allows you to repeatedly play a chapter, title, track (song), or directory (MP3 file).



Press **REPEAT** button.

• Each time the button is pressed during playback, the repeat playback mode changes as follow:

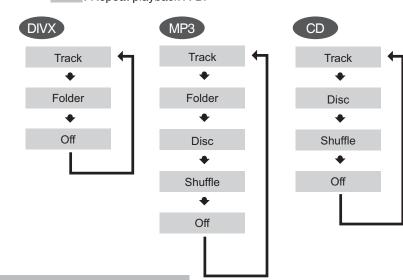




- Press the REPEAT button or cursor

 ■ button to select one mode then press ENTER button.
- Select Concel Repeat playback.

- A-B: Repeat playback A-B.



Repeat Playback Options

Track

Repeatedly plays the selected track.

Repeatedly plays all tracks in the selected folder.

Repeatedly plays the entire disc.

Shuffle

Plays tracks in random order. (Each track can be played one time.)

Off

Cancels Repeat Playback.



A↔B Repeat Playback











Press the **REPEAT A-B** button at the point where you want repeat play to start (A).

'RPT A-' is displayed.

Press the **REPEAT A-B** button at the point where you want repeat play to stop (B).

'RPT A-B' is displayed.

To return to nomal play, press the **REPEAT A-B** button again.

'RPT OFF-' is displayed.

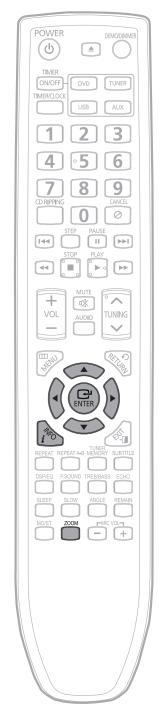


• The A-B Repeat function does not operate with JPEG disc.

• The time space of point A and B should be more than 5 seconds.

Zoom Function

This function allows you to enlarge a particular area of the displayed image.



Zoom (Screen Enlarge) Function DVD DivX JPEG

Press **ZOOM** button.

Press Cursor ▲, ▼, ◆ . ▶ buttons to move to the area you want to enlarge.





Press **ENTER** button.

• Each time the button is pressed, the zoom level changes as follow:



 $2 \times 4 \times 4 \times 0$ OFF.



DivX JPEG $2x \rightarrow 4x \rightarrow 2x \rightarrow 0FF$.



Selecting Audio/Subtitle Language



Press **INFO** button.

DVD	
Title	002
Chapter	001
⊘ Time	00:00:07
Audio	KOR 2 CH
Subtitle	Off
	⊕ Enter

Press Cursor ▲, ▼ buttons to select the Audio and then press **ENTER** button.

DVD	
Title	002
Chapter	001
⊘ Time	00:00:07
Audio	KOR 2 CH
Subtitle	Off
	⊕ Enter

Press Cursor or numeric buttons to select the desired Audio language and then press **ENTER** button.



 Depending on the number of languages on a DVD disc, a different audio language (ENGLISH, SPAIN,FRENCH, etc.) is selected each time the button is pressed.

Subtitle Language Selection Function

Press **INFO** button.

DVD	
Title	002
Chapter	001
⑦ Time	00:00:07
Audio	KOR 2 CH
Subtitle	Off
	⊕ Enter

Press Cursor ▲, ▼ buttons to select the Subtitle and then press **ENTER** button.

DVD	
Title	002
Chapter	001
⑦ _{Time}	00:00:07
Audio	KOR 2 CH
Subtitle	Off
	⊡ Enter

Press Cursor 🔻 🕨 or numeric buttons to select the desired Subtitle language and then press ENTER button.



- You can use the AUDIO or SUBTITLE button on the remote control to select an audio or subtitle language.
- Depending on the disc, the Subtitle and Audio Language functions may not work.
- When you use AUDIO button to select "DTS", sound is not heard, and the TV displays as below:

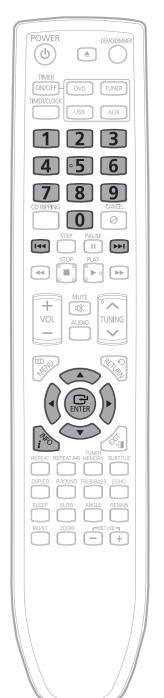






A CONTROL OF THE PROPERTY OF T

Moving Directly to a Scene /Song



DVD

Press **INFO** button.



Moving to a Title/Chapter

Press Cursor ◀ , ► or numeric buttons to select the desired part and then press **ENTER** button.

DVD	
Title	002
Chapter	001
Ø _{Time}	00:00:07
Audio	KOR 2 CH
Subtitle	Off
	@ Enter

Moving to a Specific Time

Press the numeric buttons to select the desired time and then press **ENTER** button.

Moving to a Title/Chapter

Press Cursor ▲,▼ buttons to select the Title/Chapter.



Moving to a Specific Time

Press Cursor ▲ ,▼ buttons to select the Time.



Note

 You can press I◄◀►►I on the remote control to move directly to the desired title, chapter.

• Depending on the disc, you may not be able to move to the selected title or time.

Using Disc Menu

You can use the menus for the audio language, subtitle language, profile, etc. DVD menu contents differ from disc to disc.

DVD

In stop mode, press **MENU** button.



Press Cursor ▲, ▼
buttons to select the desired item and then press ENTER button.



Press Cursor ▲, ▼buttons to move to 'DISC MENU' and then press ENTER button .



Press Cursor ▲, ▼

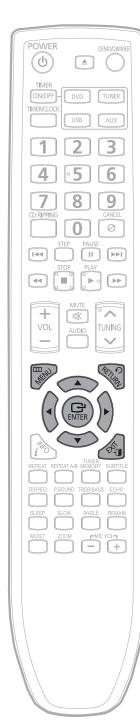
◀, ▶ buttons to select
the desired item and
then press ENTER
button.



Press **RETURN** button to return to the previous level.

Press MENU button to exit the setup screen.

Press **EXIT** button to exit the setup screen.



Using the Title Menu

For DVDs containing multiple titles, you can view the title of each movie. Depending on the disc, this function may either not work at all or may work differently.



In stop mode, press MENU button.



Press Cursor ▲. ▼ buttons to select the desired item and then press **ENTER** button.



Press Cursor ▲. ▼ button to move to 'Title Menu' and then press **ENTER** button.



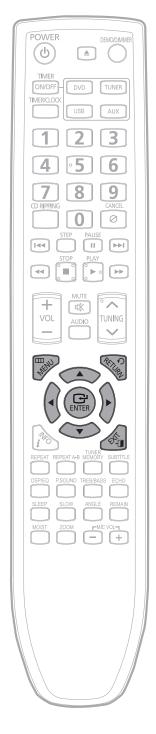
Press Cursor ▲, ▼ ■ . ▶ buttons to select the desired item and then press **ENTER** button.



Press RETURN button to return to the previous level.

Press **MENU** button to exit the setup screen.

Press EXIT button to exit the setup screen.





OSD language is set to English by default.

■ In stop mode, press MENU button.



Press Cursor ▲. ▼ button to move to 'Setup' and then press **ENTER** button.



Press Cursor ▲.▼ button to select the desired item and then press **ENTER** button.



Press Cursor A. button to select the desired language and then press ENTER button.

• Once the setup is complete, if the language was set to English, OSD will be displayed in English.







Selecting the

Audio Language

(recorded on the disc)

Selecting the Player menu Language



Selecting the Disc Menu Language (recorded on the disc)



* If the language you selected is not recorded on the disc, menu language will not change even if you set it to your desired

(recorded on the disc)

Selecting the Subtitle Language Selecting the Subtitle Language (recorded on the disc)

Press **MENU** or **EXIT** button to exit the setup screen.

Press **RETURN** button to return to the previous level.

SETUP

Setting TV Screen type



In stop mode, press
MENU button.



Press Cursor ▲ ,▼
button to move to
'Display Setup' and
then press ENTER
button.



Press Cursor ▲ ,▼ button to move to 'Screen Messages' and then press ENTER button.

You can select 'On' or 'Off'.
 On: you can see the screen messages.
 Off: you can't see the screen messages



Press Cursor ▲ ▼
button to move to
'Setup' and then
press ENTER button.



Press Cursor ▲,▼
button to 'Tv Aspect'
and then press
ENTER button.

 You can select '4:3 Letter Box', '4:3 Pan&Scan' or '16:9 Wide' mode for your TV.



Press Cursor ▲,▼
button to 'Video
Output' and then
press ENTER button.

• You can select 'I-SCAN' or 'P-SCAN'. (see the page 12 about P-SCAN or I-SCAN mode.)



Adjusting the TV Aspect Ratio (Screen Size)

The horizontal to vertical screen size ratio of conventional TVs is 4:3, while that of wide screen and high definition TVs is 16:9. This ratio is called the aspect ratio. When playing DVDs recorded in different screen size, you should adjust the aspect ratio to fit your TV or monitor.

* For a standard TV, select either "4:3LB" or "4:3PS" option according to personal preference. Select "16:9" if you have a wide screen TV.

16:9 Wide

- : Select this to view a 16:9 picture in the full-screen mode on your wide screen TV.
- You can enjoy the wide screen aspect.



4:3LB (4:3 Letter box)

- : Select this to play a 16:9 picture in the letter box mode on a conventional TV.
- Black bars will appear at the top and bottom of the screen.



4:3PS (4:3 Pan&Scan)

- Select this to play a 16:9 picture in the pan & scan mode on a conventional TV.
- You can see the central portion of the screen only (with the sides of the 16:9 picture cut off).



Note

- If a DVD is in the 4:3 ratio, you cannot view it in wide screen.
- Since DVD discs are recorded in various image formats, they will look different depending on the software, the type of TV, and the TV aspect ratio setting.

Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.

Press **EXIT** button to exit the setup screen.

Setting Parental Controls (Rating Level)

Use this to restrict playback of adult or violent DVDs you do not want children to view.

In stop mode, press

MENU button.



Press Cursor ▲ ▼
button to move to
'Setup' and then
press ENTER button.



Press Cursor ▼ button to move to 'Parental Setup' and then press ENTER button.



Press Cursor ♠, ▼ button to select the 'Rating Level' and then press ENTER button.

- If you have selected Level 6, you cannot view DVDs with Level 7 or higher
- The higher the level, the closer the content is to violent or adult material.



Enter the password and then press ENTER button.

- The password is set to "7890" by default.
- Once the setup is complete, you will be taken to the previous screen.

Note

 This function works only if a DVD disc contains the rating level information.

Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.

Press **EXIT** button to exit the setup screen.



You can set the password for the Parental (rating level) setting.

In stop mode, press

MENU button.



Press Cursor ▲ ▼
button to move to
'Setup' and then
press ENTER button.



Press Cursor ▼ button to move to 'Parental Setup' and then press ENTER button.



Press Cursor ♠, ▼ button to select the 'Change Password' and then press ENTER button.



- Enter the password and then press ENTER button.
- Enter the old password, a new password, and confirm new password.
- The setting is complete.

Press **RETURN** button to return to the previous level.

Press CANCEL button to cancel the error numeric when you inputting password.

Press **MENU** button to exit the setup screen.

Setting the DRC (Dynamic Range Compression)

You can use this function to enjoy Dolby Digital sound when watching movies at low volume at night.



In stop mode, press

MENU button.



Press Cursor button to move to 'Audio' and then press ENTER button.



Press Cursor ♠, ▼ button to select the 'DRC' and then press ENTER button.

Press Cursor ▲, ▼ to adjust the 'DRC'.

You can set the DRC between 0 and 8.
 Set it to the optimal status.



■ In stop mode, press

MENU button.

AV SYNC Setup

Video may look slower than the audio if it is connected with digital TV.

In this case, adjust the delay time of audio to optimal status to fit the video.



Press Cursor ▲, ▼ buttons to move to 'Audio' and then press ENTER button.



Press Cursor ♠, ▼ buttons to move to 'AV-SYNC' and then press **ENTER** button.

Press Cursor ▲ , ▼ buttons to select the Delay Time of AV-SYNC and then press the ENTER button.

• You can set the audio delay time between 0 ms and 300 ms. Set it to the optimal status.



Press **RETURN** button to return to the previous level.

Press MENU button to exit the setup screen.

Press **EXIT** button to exit the setup screen.

Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.

Listening to Radio

You can listen to the chosen band (FM broadcast stations) by using either the automatic or manual tuning operation.

Remote Control Unit

Press TUNER button.

Tune in to the desired station.

Press the **STOP** () button to select PRESET and then press **TUNING** \sim or \checkmark button to select the preset station.

(a)

MO/ST ZOOM PMIC VOLT

Automatic Tuning 2 Press the STOP (■) button to select "AUTO" and then press

TUNING or button to automatically search the band.

Manual Tuning Press STOP (■) to select MANUAL and then briefly press

TUNING → or → to tune in to a lower or higher frequency.

Main Unit

Press the **FUNC**. button to select the FM band.

Select a broadcast station.

omatic Tuning 2 Press the STOP (■) button to select "AUTO" and then press I◄◀ ▶▶I button to automatically search the band.

Press STOP () to select Manual Tuning MANUAL and then briefly press I◀◀ ▶►I to tune in to a lower or

Automatic Tuning 1 Press the STOP (■) button to select PRESET and then press I◀◀ ▶▶I button to select the preset station.

higher frequency.

Press MO/ST button to listen in Mono/Stereo. (This applies only when listening to an FM station.)

- Each time the button is pressed, the sound switches between "STEREO" and "MONO".
- In a poor reception area, select MONO for a clear, interference-free broadcast.



Example: Presetting FM 89.1 in the memory

Press the **TUNER** button and select the FM band.

Press TUNING ¬ or ∨ to select "89.10".

• Refer to Step 2 on page 41 to automatically or manually tune in to a station.

Press the **TUNER MEMORY** button.

Press **TUNING** ¬ or
 ¬ to select preset number.

You can select between 1 and

Press the **TUNER MEMORY** button.

• If you can't press "TUNER MEMORY" in 5 seconds, the preset disappears and "FM"

To preset another station, repeat steps 2 to 5.



CD RIPPING Function

You can rip a compact disc as a MP3 file on the USB This feature enables you to ripping with the start of the disc or track of your choice.

Switch the system on by pressing POWER

Connect the USB.

Press CD RIPPING button on remote control to starting ripping.

- ♦ If the system is playing state, press this button, "TRACK RIPPING" is displayed and CD
- ♦ If the system is playing state, press and hold this button, "FULL CD RIPPING" is displayed and CD
- device.

3

Load a compact disc(Digital Audio).

- ◆ Press the **OPEN/CLOSE** button to open
- ♦ Insert a CD and press the OPEN/CLOSE button to close the CD door.
- ♦ Use the CD selection (I◄►►I) buttons to select the desired song.



RIPPING starts.

RIPPING starts. ◆ During CD ripping, do not disconnect USB

To stop ripping, press STOP()button and then automatically create and save as the MP3 file.

After CD-Ripping,a directory named "RIPPING FOLDER" will be created in your device. The file name is same with the disc.

Note

- ◆ Don't disconnected USB and AC Cord during CD-Ripping. This may cause the file damage. If you want to stop CD-Ripping during CD-Ripping, you must press stop Key first and after the CD Stopped, then you can remove the USB
- ♦ If you disconnected USB device when CD Ripping, the main unit will be power off and you may not delete the ripped file, In this case, please connect the USB on the PC and backup the USB data on the PC first and then formate the USB device
- ♦ When the USB memory is not enough, it will be displayed "RIPPING ERROR".
- ◆DTS-CD can't for CD Ripping.
- ♦ With external HDD, FAT format the USB can be CD Ripping, but not NTFS. The CD Ripping function of this product does not support all USB devices.
- ♦ When you use CD high speed search function or in the Pause or Stop mode, the CD Ripping can't work.
- ◆ During CD Ripping, do not deal impact.If is shocked while CD Ripping, CD Ripping maybe disengage.
- ♦ Sometimes, some of USB devices, CD Ripping time is long.
- ♦ In program mode, you can't use CD RIPPING function
- ♦ When CD Ripping completes or Stops, the CD will reload.

Timer Function

- The timer enables you to switch the system on or off at specific times.
- If you no longer want the system to be switched on or off automatically, you must cancel the timer.
- Before setting the timer, check that the current time is correct.
- For each step, you have a few seconds to set the required options. If you exceed this time, you must start again.

Example: You wish to wake up to music every morning.

Switch the system on by pressing **POWER**

Press TIMER/ **CLOCK** until **TIMER** is displayed.

Set the timer

switch-off time.

a. Set the hour by pressing

✓ or

✓

c. Set the minutes by pressing ◀ or ▶

button.

b. Press ENTER.

Press the **ENTER** button.

• **ONTIME** is displayed (instead of the equalizer symbols) for a few seconds, followed by any switch-on time already set; you can set the timer switch-on time.

Set the timer switch-on time.

- a. Set the hour by pressing ◀ or ▶ button.
- b. Press ENTER.
- The minutes flash.
- c. Set the minutes by pressing ◀ or ▶ button.
- d. Press ENTER.
- OFFTIME is displayed (instead of the equalizer symbols) for a few seconds, followed by any switchoff time already set; you can now set the timer switch-off time.
- d. Press ENTER. • **VOL 10** is displayed, where 10 corresponds to the volume already set.

• The minutes flash.

- Press ◀ or ▶ button to adjust the volume level and press ENTER.
- The source to be selected is displayed.

Press ◀ or ▶ button to select the source to be played when the system switches on.

- TUNER (radio): a Press ENTER. **b** Select a preset station by pressing
- DVD/CD (compact disc) : Load on or more compact disc.
- USB :Insert a USB.

⋖ or **▶** .

Press **ENTER** to confirm the timer.

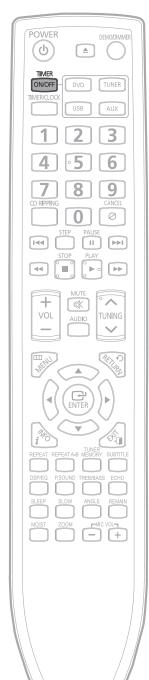
Press **POWER** to set the system to standby mode.

- ① is displayed to the top right of the time, indicating that the timer has been set.
- The system will switch on and off automatically at the required times.

- If the timer switch on and off times are identical, the word **ERROR** is displayed.
- If there is no disc or usb, when you select the "DVD, USB, it will automatically change to "TUNER".

Canceling the Timer

After having set the timer, it will start automatically as shown by the TIMER indication on the display. If you no longer wish to use the timer, you must cancel it.



To cancel the timer, press **TIMER ON/OFF** once.

• D is no longer displayed.

To resume the timer, press **TIMER ON/OFF** again.

• is displayed again.

Note

You can cancel the timer while the power is on or while the player is in standby.

Power Sound/Power Bass/ Treble Level/Bass Level Function

- POWER SOUND/POWER BASS Function

Your micro-compact system is equipped with the function of POWER SOUND mode . The function of POWER SOUND mode amplifies bass and improves high key or bass twice as much for you to appreciate powerful real sound.

Your micro-compact system has a bass amplification function called SBS (Super Bass Sound). This function makes the sound more powerful and real.

Press the **P.SOUND** button.

Each time the button is pressed, the selection changes as follows: P.SOUND \rightarrow P.BASS \rightarrow OFF

When CD Ripping, the P.SOUND, P.BASS function can't work and the P.SOUND, P.BASS automatically covert to "OFF" mode.

Treble Level Function

Treble Control function stresses high tones providing thudding sound effects.

Press **TREB/BASS** button, TREB 00 is displayed.

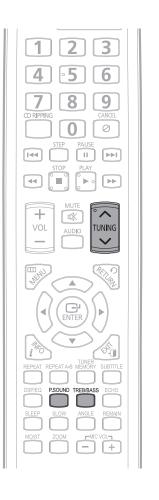
- ullet Press the igwedge, igwedge button to select from TREB -04 to TRER 04
- •You can select the level of high tones you desire.

- Bass Level Function

BASS function stresses low tones providing thudding sound effects.

Press **TREB/BASS** button, **BASS 00** is displayed.

- •You can select the level of low tones you desire.



DSP/EQ Function









Selecting DSP/EQ

Your mini-compact system is equipped with a preset equalizer that allows you to choose the most appropriate balance between treble and bass frequencies, according to the type of music you are listening to.

Press **DSP/EQ** on the remote control until the required option is selected.

To obtain a	Select
Normal balance (linear)	PASS
Balance suitable for pop music	POP
Balance suitable for rock music	·····ROCK
Balance suitable for class	······CLASSIC
Balance suitable for jazz	······ JAZZ
Balance suitable for s.bass	S.BASS

When CD Ripping, the DSP/EQ function can't work and the DSP/EQ automatically covert to "PASS" mode.



Sleep Timer Function

You can set the time that the DVD player will shut itself off.

Press **SLEEP** button.

• Each time the button is pressed, the selection changes as follows: 90 MIN \rightarrow 60 MIN \rightarrow 45 MIN \rightarrow 30 MIN \rightarrow 15 MIN \rightarrow SLEEPOFF.



To confirm the sleep timer setting, press **SLEEP** button.

- •The remaining time before the DVD player will shut itself off is displayed.
- •Pressing the button again changes the sleep time from what you have set

To cancel the sleep timer, press SLEEP button until SLEEPOFF appears on the display.

Mute Function

This is useful when answering a doorbell or telephone call.

Press **MUTE** button.

- 'MUTE' appears in the display.
- To switch the sound back on , press MUTE again or press the VOLUME buttons.



DEMO Function / DIMMER Function



You can view the various functions available on your system

Press **DEMO/DIMMER** button.

- The various functions available are listed in turn on the display.
- All these functions are described in detail in this booklet.
 For instructions on how to use them, refer to the appropriate sections.



You can adjust the brightness of the display on the main unit so it won't interfere with your movie viewing.

Press **DEMO/DIMMER** button.

Each time the button is press, the brightness changes as follows:
 DIMMER ON(Dim) → DIMMER OFF(Bright).

Note

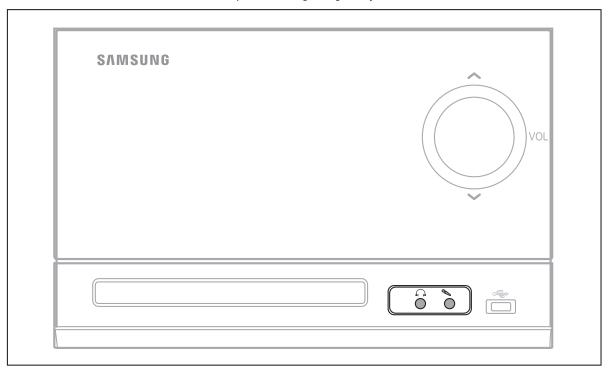
Press any buttons to cancel DEMO function. When you turn off the main unit, DEMO function will be auto start after 10 senconds. if you want to cancel this DEMO function, press DEMO/DIMMER button again.



Connecting Headphones/Microphone

You can connect a set of headphones to your micro component system so that you can listen to music or radio programmers without disturbing other people in the room. The headphones must have a 3.5ø jack or an appropriate adapter.

You can also insert microphone to sing along with your favorite Cds.



Connect the headphones to the **PHONES** jack on the front panel.

The loudspeakers are no longer used to output the sound.

Plug a microphone with a 3.5ø MIC jack into the Mic terminal.

- Connect one Microphone.
- Press the MIC VOL button to adjust the MIC level.
- Press the ECHO button to select ECHO1.ECHO2, and ECHO OFF.

Note

Prolonged use of headphones at a high volume may damage your hearing.





Cautions on Handling and Storing Discs

Small scratches on the disc may reduce sound and picture quality or cause breaks in playback. Be especially careful not to scratch discs when handling them.

Handling discs



Do not touch the playback side of the disc. Hold the disc by the edges so that fingerprints will not get on the surface.

Do not stick paper or tape on the disc.

Handling and Storing Discs



When you get fingerprints or dirt on the disc, clean it with a mild detergent diluted in water and wipe with a soft cloth.

• When cleaning, wipe gently from the inside to the outside of the disc.

Note

 Condensation may form if warm air comes into contact with cold parts inside the player. When condensation forms inside the player, the player may not operate correctly. If this occurs, remove the disc and let the player stand for 1 or 2 hours with the power on.

Before Calling for Service

Refer to the chart below when this unit does not function properly. If the problem you are experiencing is not listed below or if the instruction below does not help, turn off the unit, disconnect the power cord, and contact the nearest authorized dealer or Samsung Electronics Service Center.

Symptom	Check/Remedy
Disc tray does not open.	Is the power cord plugged securely into the outlet? Turn off the power and then turn it back on.
Playback does not start.	 Check the region number of the DVD. DVD discs purchased from abroad may not be playable. CD-ROMs and DVD-ROMs cannot be played on this DVD player. Make sure that the rating level is correct.
The remote control does not work.	 Is the remote control being operated within its operation range of angle and distance? Are the batteries exhausted?
Playback does not start immediately when the Play/ Pause button is pressed.	 Are you using a deformed disc or a disc with scratches on the surface? Wipe the disc clean.
Sound is not produced.	 No sound is heard during fast playback, slow playback, and step motion playback. Are the speakers connected properly? Is the speaker setup correctly customized? Is the disc severely damaged?
Picture does not appear, sound is not produced, or the disc tray opens 2 to 5 seconds later.	Was the DVD player suddenly moved from a cold place to a warm one? When condensation forms inside the player, remove the disc and let the player stand for 1 or 2 hours with the power on. (You can use the player again after condensation disappears.)
 Disc is rotating but no picture is produced. Picture quality is poor and picture is shaking. 	 Is the TV power on? Are the video cables connected properly? Is the disc dirty or damaged? A poorly manufactured disc may not be playable.

Symptom	Check/Remedy
Audio language and subtitles do not work.	Audio language and subtitles will not work for DVDs not containing them. And depending on the disc, they may work differently.
Menu screen does not appear even when the menu function is selected.	Are you using a disc that does not contain menus?
Aspect ratio cannot be changed.	You can play 16:9 DVDs in 16:9 WIDE mode, 4:3 LETTER BOX mode, or 4:3 PAN SCAN mode, but 4:3 DVDs can be seen in 4:3 ratio only. Refer to the DVD disc jacket and then select the appropriate function.
Can't receive radio broadcast.	Is the antenna connected properly? If the antenna's input signal is weak, install an external FM antenna in an area with good reception.
 The main unit is not working. (Example: The power goes out or strange noise is heard.) The DVD player is not working normally. 	 Turn off the power and hold the STOP ■ button on the main unit for longer than 5 seconds. Using the RESET function will erase all stored settings. Do not use this unless necessary.
The password for rating level has been forgotten.	 While the player is in the No Disc mode, hold the main unit's STOP button for longer than 5 seconds. "INITIAL" appears on the display and all settings will return to the default values. Press the POWER button. Using the RESET function will erase all stored settings. Do not use this unless necessary.



Disc Recording Format

This product does not support Secure (DRM) Media files.

CD-R Discs

- Some CD-R discs may not be playable depending on the disc recording device (CD-Recorder or PC) and the condition of the disc.
- Use a 650MB/74 minute CD-R disc. Do not use CD-R discs over 700MB/80 minute as they may not be played back.
- Some CD-RW (Rewritable) media, may not be playable.
- Only CD-Rs that are properly "closed" can be fully played. If the session is closed but the disc is left open, you may not be able to fully play the disc.

CD-R MP3 Discs

- Only CD-R discs with MP3 files in ISO 9660 or Joliet format can be played.
- MP3 file names should be 8 characters or less in length and contain no blank spaces or special characters (. / = +).
- Use discs recorded with a compression/decompression data rate greater than 128Kbps.
- Only files with the ".mp3" and ".MP3" extensions can be played.
- Only a consecutively written multisession disc can be played. If there is a blank segment in the Multisession disc, the disc can be played only up to the blank segment.
- If the disc is not closed, it will take longer to begin playback and not all of the recorded files may be played.
- For files encoded in Variable Bit Rate (VBR) format, i.e. files encoded in both low bit rate and high bit rate (e.g., 32Kbps ~ 320Kbps), the sound may skip during playback.
- A maximum of 500 tracks can be played per CD.
- A maximum of 300 folders can be played per CD.

CD-R JPEG Discs

- Only files with the "jpg" extensions can be played.
- If the disc is not closed, it will take longer to start playing and not all of the recorded files may be played.
- Only CD-R discs with JPEG files in ISO 9660 or Joliet format can be played.
- JPEG file names should be 8 characters or less in length and contain no blank spaces or special characters (. / = +).
- Only a consecutively written multisession disc can be played. If there is a blank segment in the multisession disc, the disc can be played only up to the blank segment.
- A maximum of 9,999 images can be stored on a single CD.
- When playing a Kodak/Fuji Picture CD, only the JPEG files in the picture folder can be played.
- Picture discs other than Kodak/Fuji Picture CDs may take longer to start playing or may not play at all.

DVD±R/RW, CD-R/RW DivX Discs

- Software updates for incompatible formats are not supported.
 (Example: QPEL, GMC, resolution higher than 720 x 480 pixels, etc.)
- Sections with a high frame rate might not be played while playing a DivX file.

DivX® is a digital video format created by DivX, Inc. This is an official DivX Certified or DivX Ultra Certified device that plays DivX video.

Notes on Terminology

ANGLE	Recorded onto some DVD discs are scenes which have been simultaneously shot from a number of different angles (the same scene is shot from the front, from the left, from the right, etc.). With such discs, the Angle button can be used to change the angle of view for specific scenes.	
CHAPTER NUMBER	These numbers are recorded on DVD discs. A Title is subdivided into many sections, each of which is numbered, and specific parts of the video can be searched quickly using these numbers.	
DVD	A high-density optical disc on which high-quality pictures and sound have been recorded by means of digital signals. Incorporating a new video compression technology (MPEG-2) and high-density recording technology, a DVD disc comprises two 0.6 mm thick discs bonded together.	
РСМ	An acronym for Pulse Code Modulation - another name for digital audio.	
PBC (PLAYBACK CONTROL)	This is recorded on a video CD (version 2.0). Selected scenes or information can be chosen from the menu displayed on the TV monitor.	
REGION NUMBER	Both the DVD player and DVD discs are encoded with a region number. If the region number on the DVD disc does not correspond to the region number of the DVD player, the player cannot play the disc.	
SUBTITLES	Translated appearing at the bottom of the screen. A DVD disc can contain up to 32 subtitle languages.	
TITLE NUMBER	These numbers are recorded on DVD discs. When a disc contains two or more movies, these movies are numbered as Title 1, Title 2, etc.	
TRACK NUMBER	These numbers are assigned to the tracks which are recorded on video and audio CDs. They enable specific tracks to be located quickly.	
DIGITAL	Tecorded as a digital signals (with brefit also marking). With better sound quality,	



RADIO		
FM		
Signal/noise ratio	62 dB	
Usable sensitivity	10 dB	
Total harmonic distortion	0.4 %	
COMPACT DISC PLAYER		
Capacity	1 disc	
Frequency range	20 Hz - 20 KHz (± 1 dB)	
Signal/noise ratio	90 dB (at 1 KHz) with filter	
Distortion	0.1 % (at 1 KHz)	
Channel separation	75 dB	
Disc sizes	Diameter: 120 or 80 mm. Thickness: 1.2 mm	
AMPLIFIER	• • • • • • • • • • • • • • • • • • • •	
Output power		
Front Speaker(8 Ω)	35W/CHX2 RMS,IEC (total harmonic distortion: 10 %)	
Channel separation	60 dB	
Signal/noise ratio	70 dB	
GENERAL		
Power consumption	35W	
Dimensions	230(D) x 154 (H) x 251 (W) mm	
Weight	2.2 Kg	

Contact SAMSUNG WORLD WIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care centre.

Region	Country	Customer Care Center	WebSite
North America	CANADA	1-800-SAMSUNG (726-7864)	www.samsung.com/ca
	MEXICO	01-800-SAMSUNG (726-7864)	www.samsung.com/mx
	U.S.A	1-800-SAMSUNG (726-7864)	www.samsung.com/us
	ARGENTINE	0800-333-3733	www.samsung.com/ar
	BRAZIL	0800-124-421, 4004-0000	www.samsung.com/br
	CHILE	800-SAMSUNG (726-7864)	www.samsung.com/cl
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	HONDURAS	800-7919267	www.samsung.com/latin
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	PANAMA	800-7267	www.samsung.com/latin
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	ITALIA	800-SAMSUNG (726-7864)	www.samsung.com/it
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